



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Monday, February 18, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## Monday

- **Widespread accumulating snow/blowing snow with travel impacts across northern and central NM, including the I-25 and I-40 corridors**

## Tuesday

- **Snow/travel impacts continue for NM and light snow/freezing rain with possible travel impacts spreads into OK, the TX Panhandle, NW/west-central TX, & NW AR**
- **Heavy rain/flash flooding likely for E AR and possible into Central AR and N LA**
- **Isolated severe storms possible for LA into extreme SE AR Tuesday night**

## Wednesday

- **Isolated severe storms possible for SE LA**

## Thursday - Friday

- **No significant weather impacts**

## River Flooding

- **Moderate flooding continues along the MS River in AR. Osceola (NE AR) expected to reach major flood by Wednesday.**
  - **Some evacuations may be needed once it reaches major flood.**
- **Cache and White Rivers in NE AR at moderate flood stage, most points are receding.**
  - **Cache River at Patterson is expected to slightly rise again and reach major flood stage by late week, with some state highways flooding.**

# FEMA Region 6 Threat Matrix

Feb 18, 2019 – Feb 22, 2019



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DAY / THREAT	MON	TUE	WED	THU	FRI
Severe Storms		LA/SE AR	SE LA		
Heavy Rain / Flash Flooding		E AR			
		Central AR/N LA			
Winter Weather	Northern/Central NM	North/Central NM OK, TX Panhandle, NW&W-Central TX/ NW AR			
Fire Weather	S NM/W TX				
River Flooding	NE AR	NE AR	NE AR	NE AR	NE AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

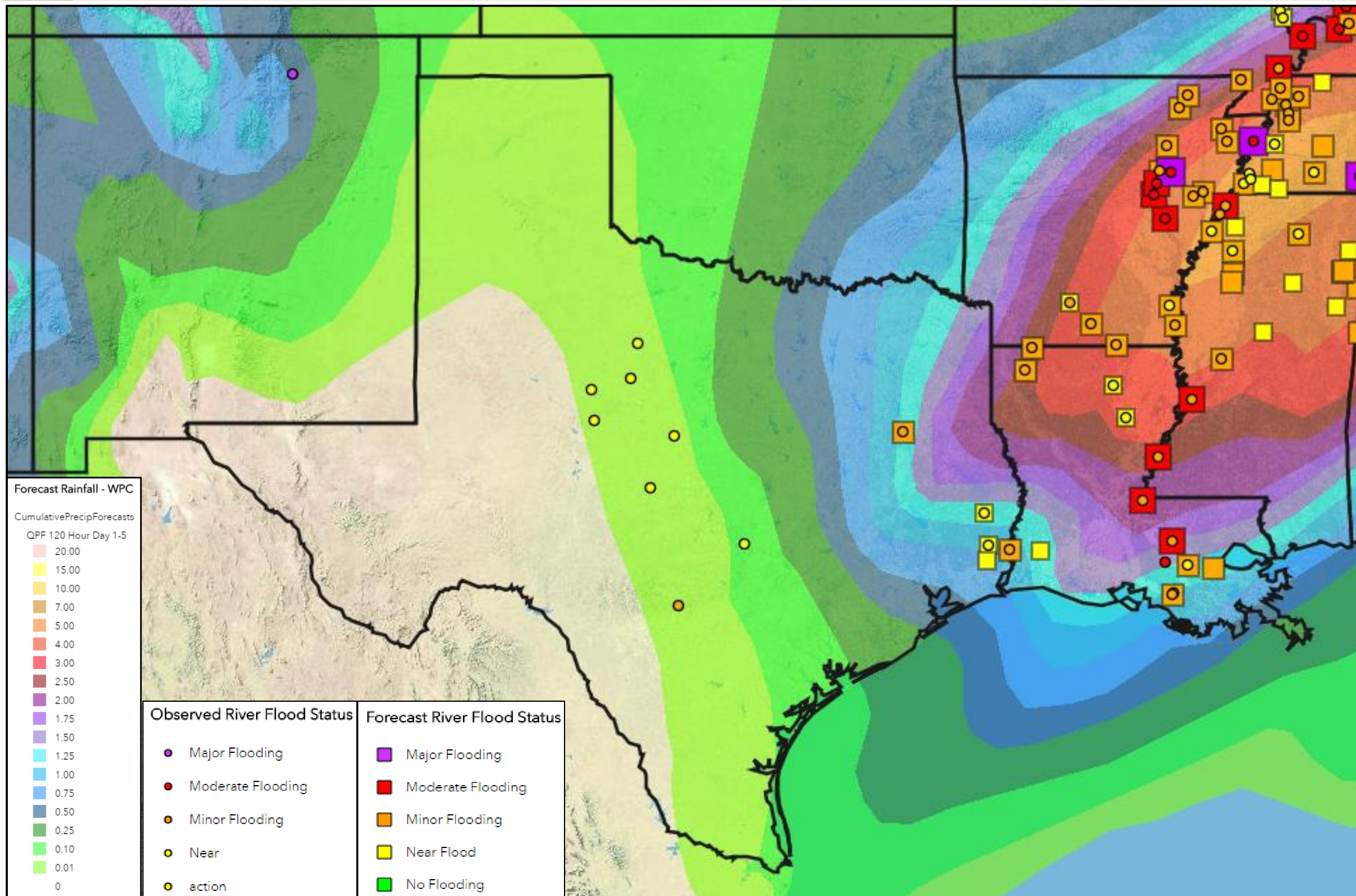


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**Moderate flooding continues along the MS River in AR. Osceola (NE AR) expected to reach major flood by Wednesday.**

**Some evacuations may be needed once it reaches major flood.**

**Cache and White Rivers in NE AR at moderate flood stage, most points are receding.**

**Cache River at Patterson is expected to slightly rise again and reach major flood stage by late week, with some state highways flooding.**

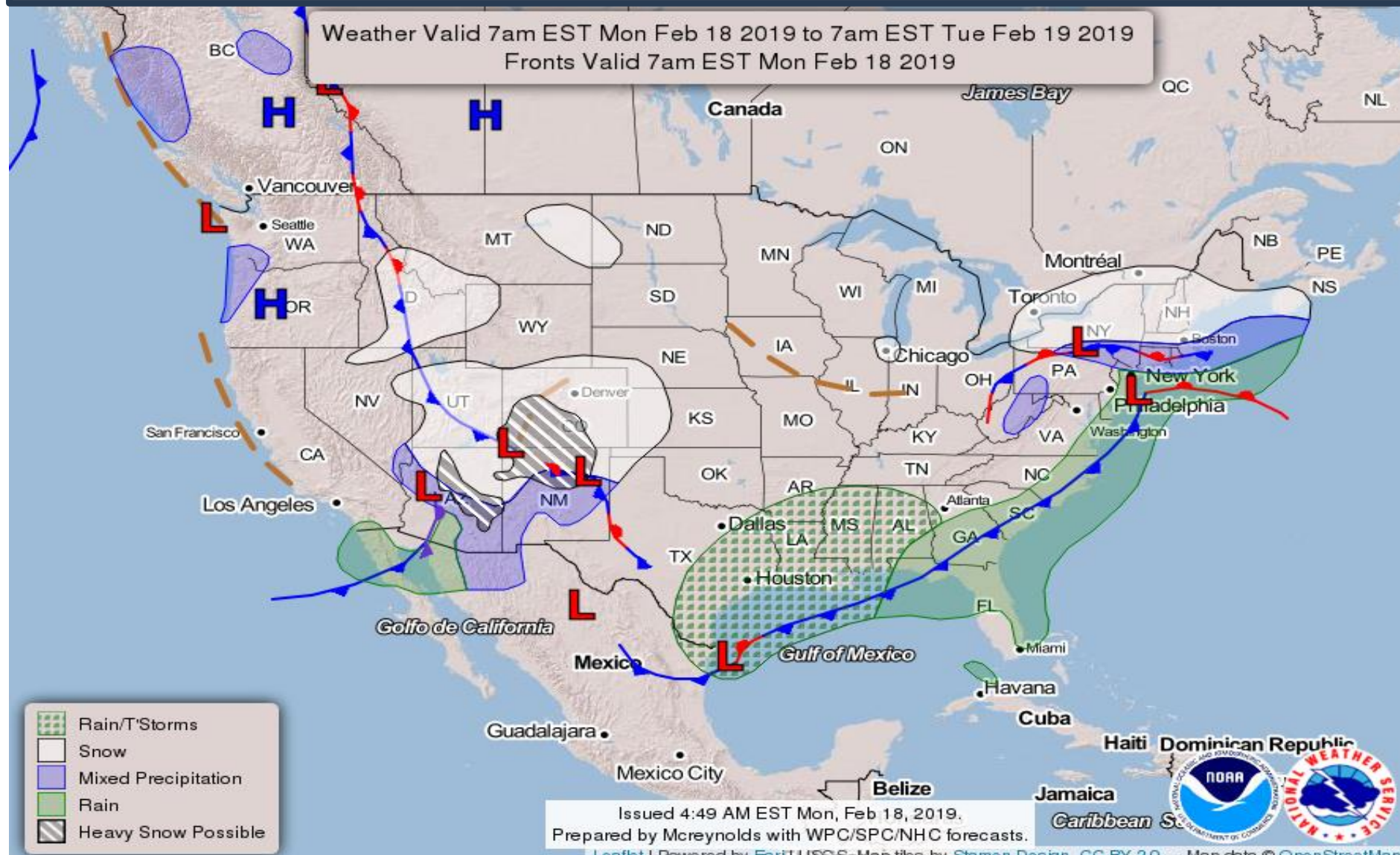


# Today's Weather

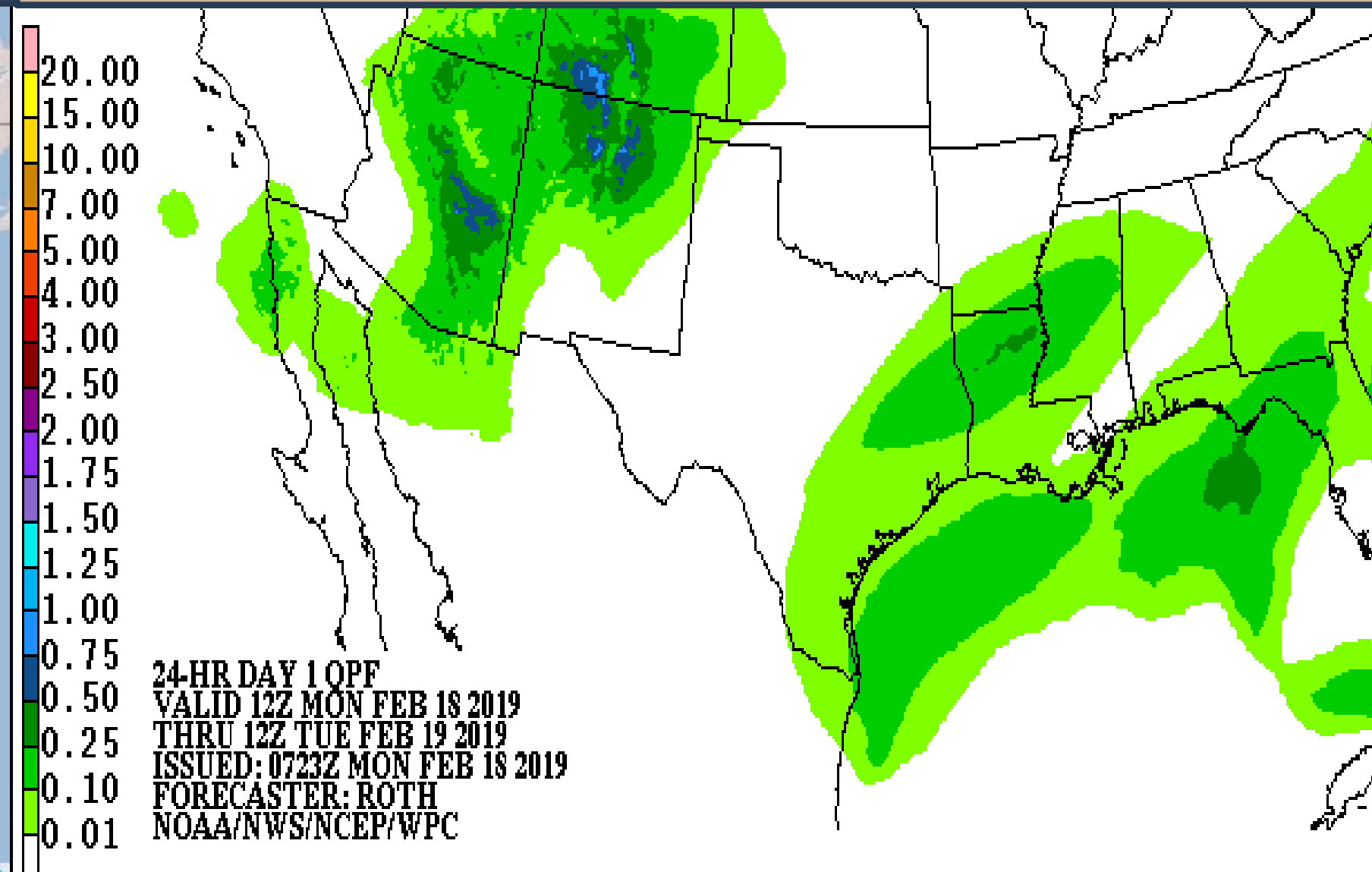


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## Forecast Chart

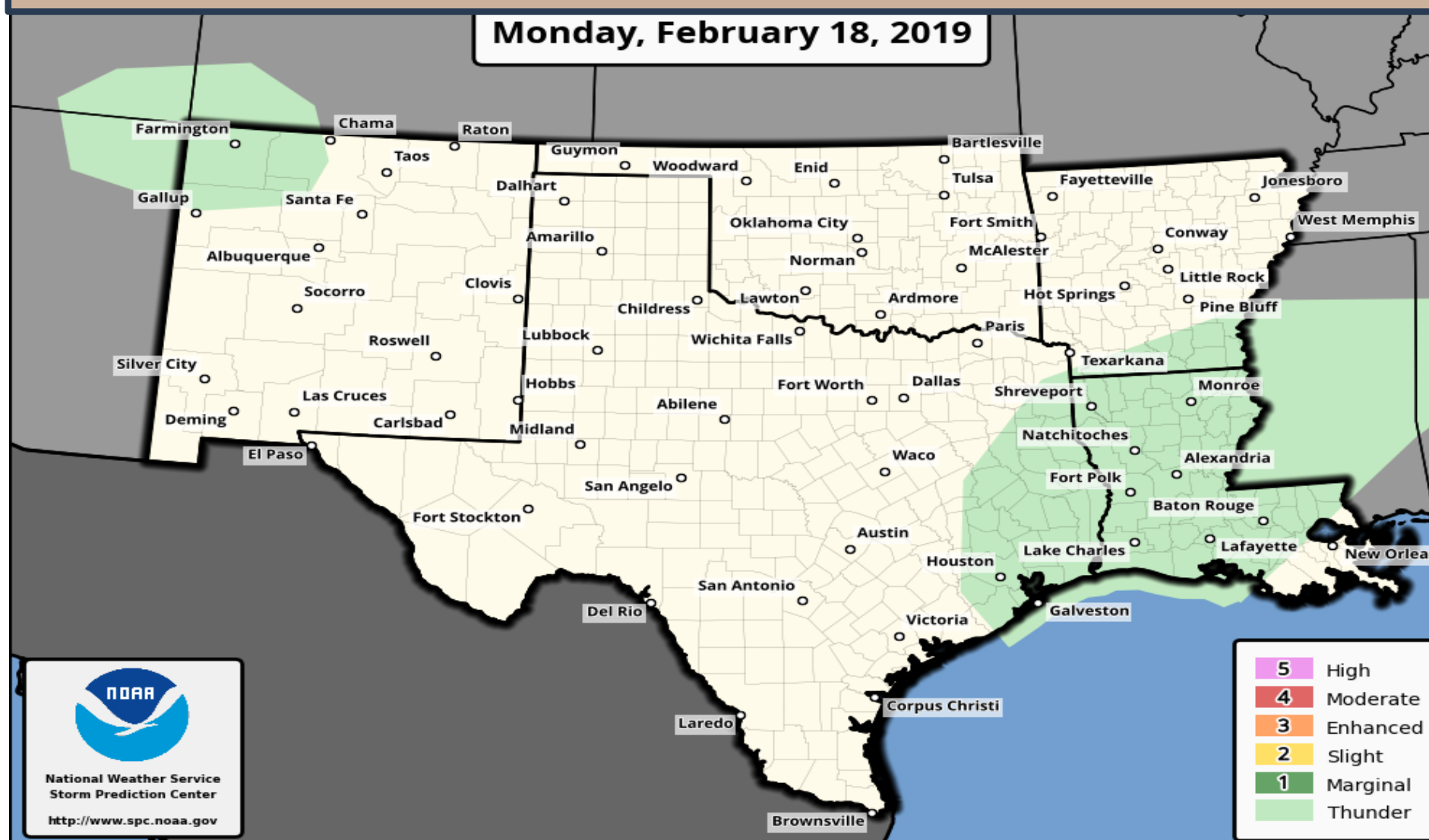


## Forecast Rainfall



**Widespread accumulating snow/blowing snow with travel impacts across northern and central NM, including the I-25 and I-40 corridors.**

## Severe Weather Outlook



## Excessive Rainfall Outlook

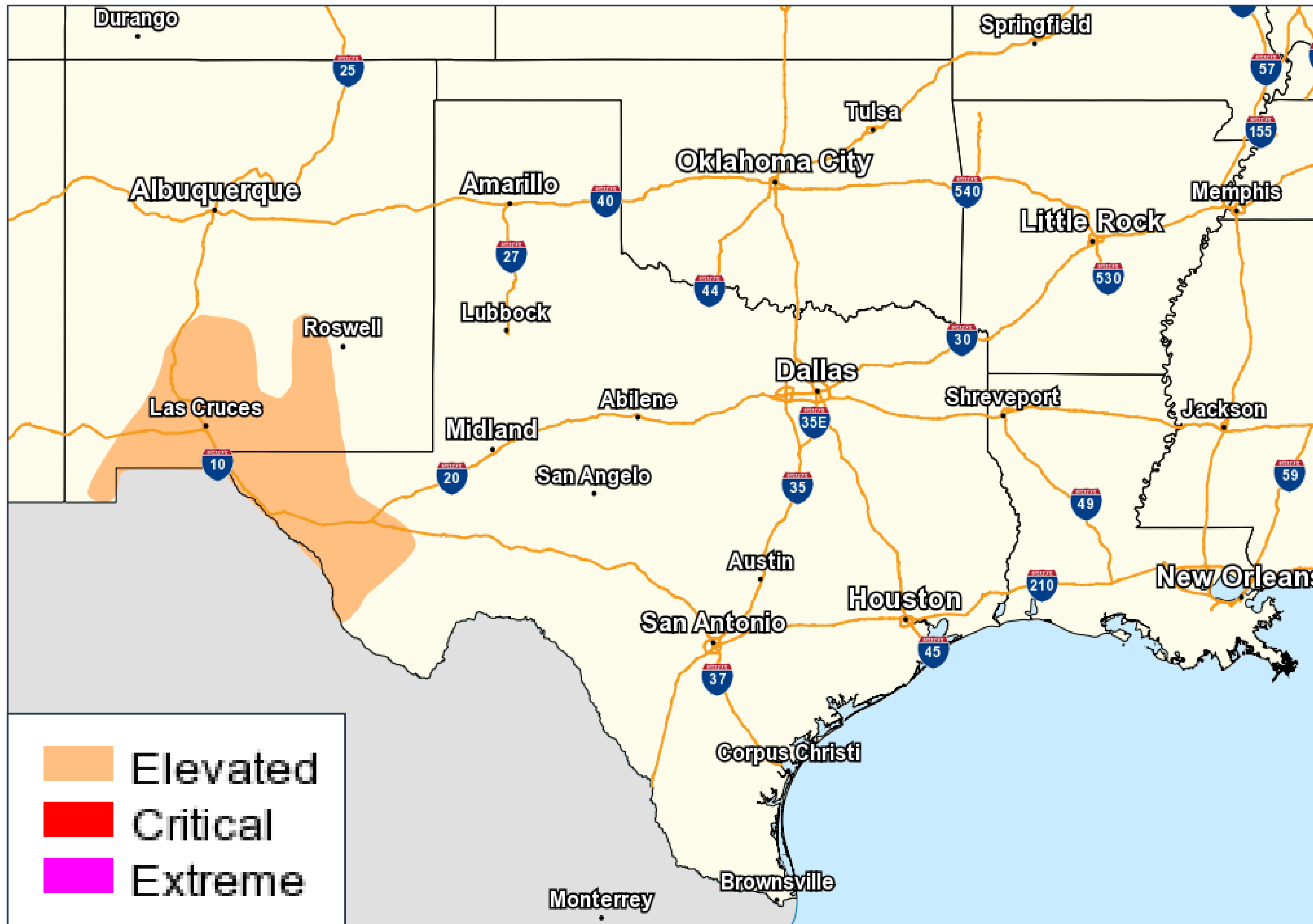




# Today's Fire Weather Outlook



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**Elevated fire weather conditions for S NM  
into W TX.**



# Watches, Warnings, and Advisories



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## Fire Weather



Graphic Created

## Severe Weather & Flooding



Graphic Created

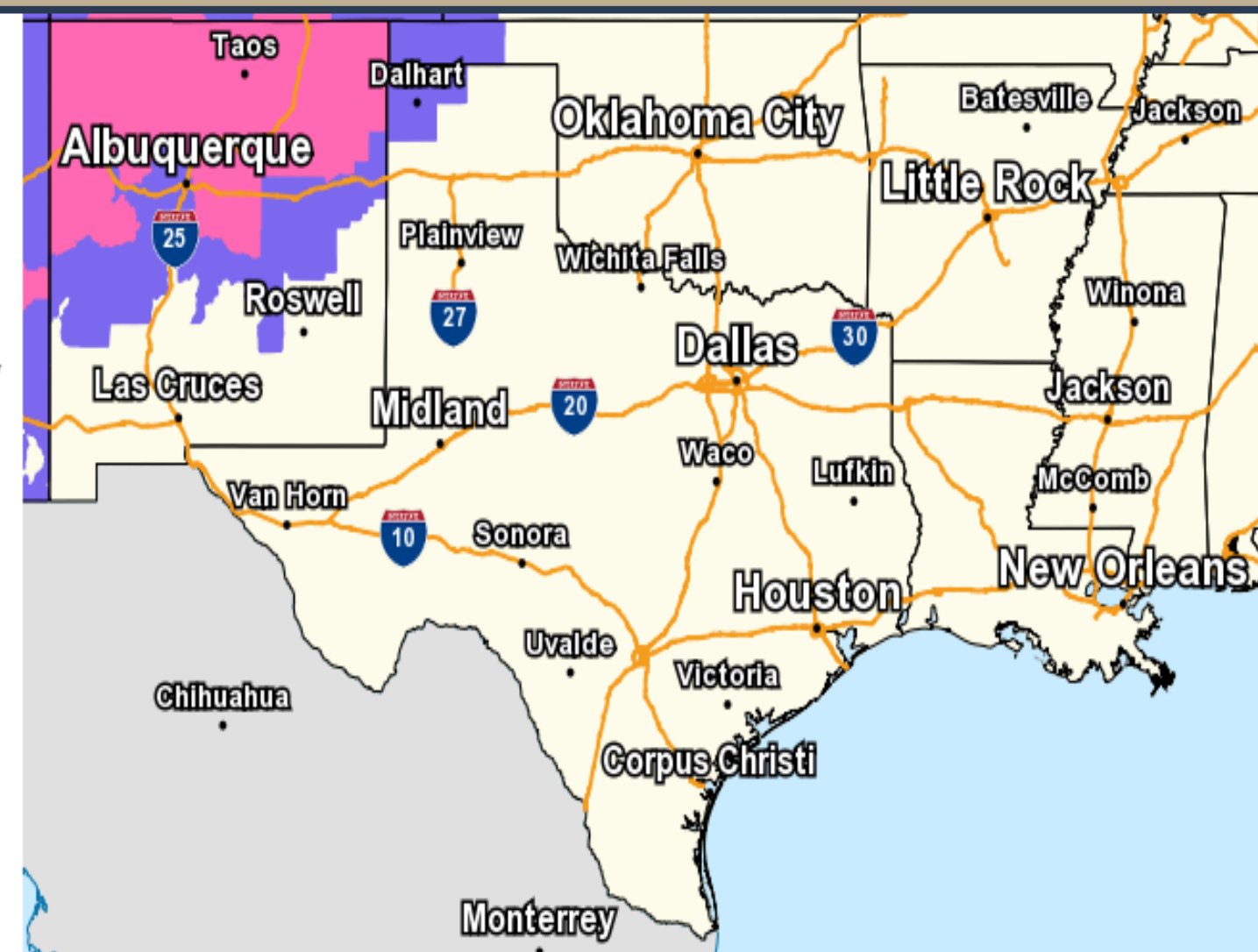
**Winter Storm Warnings and Winter Weather Advisories in effect for Monday and Tuesday across northern and central NM. Difficult travel likely.**

## Strong & Gusty Winds



Graphic Created

## Winter Weather



Graphic Created

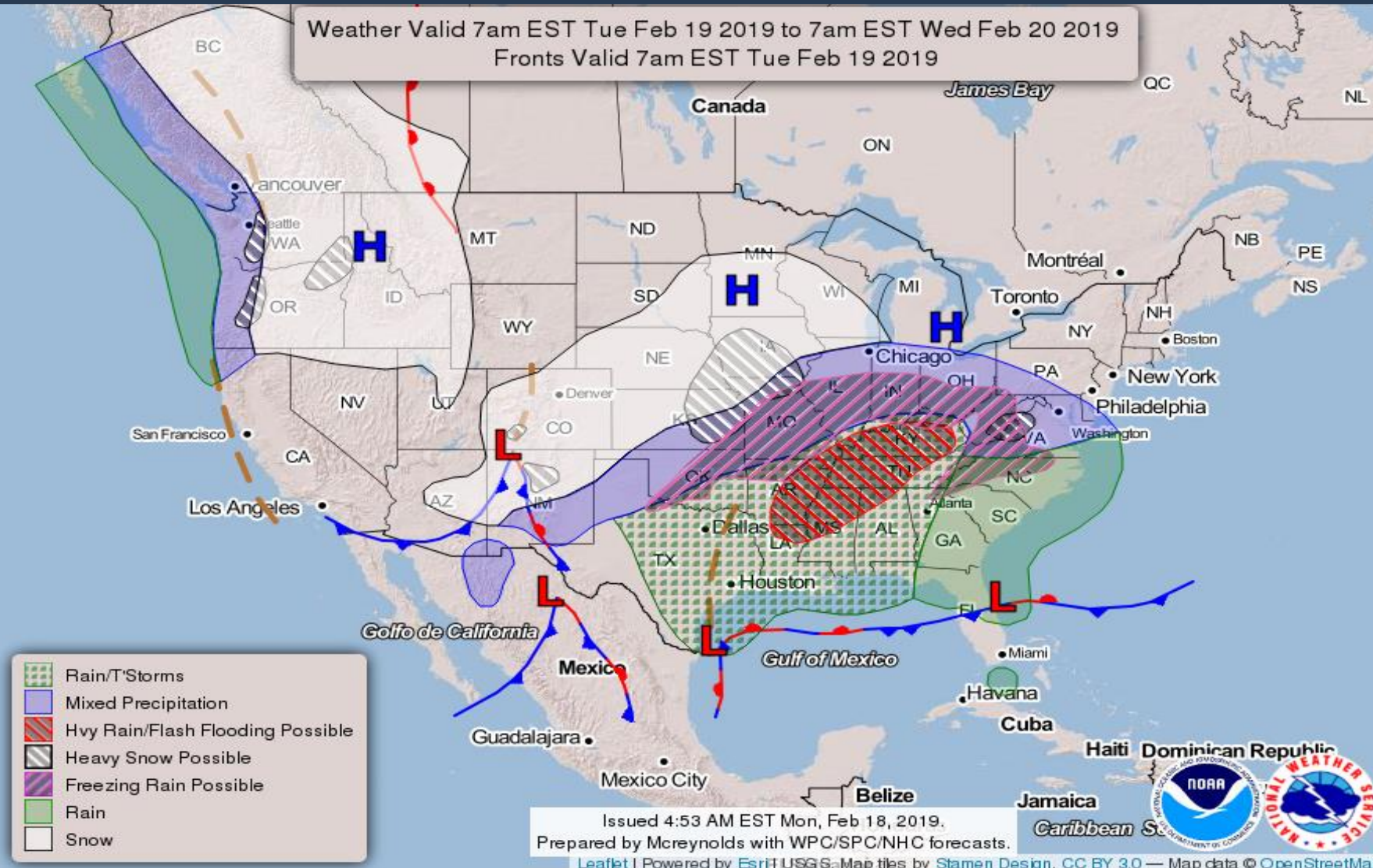


# Tomorrow's Weather

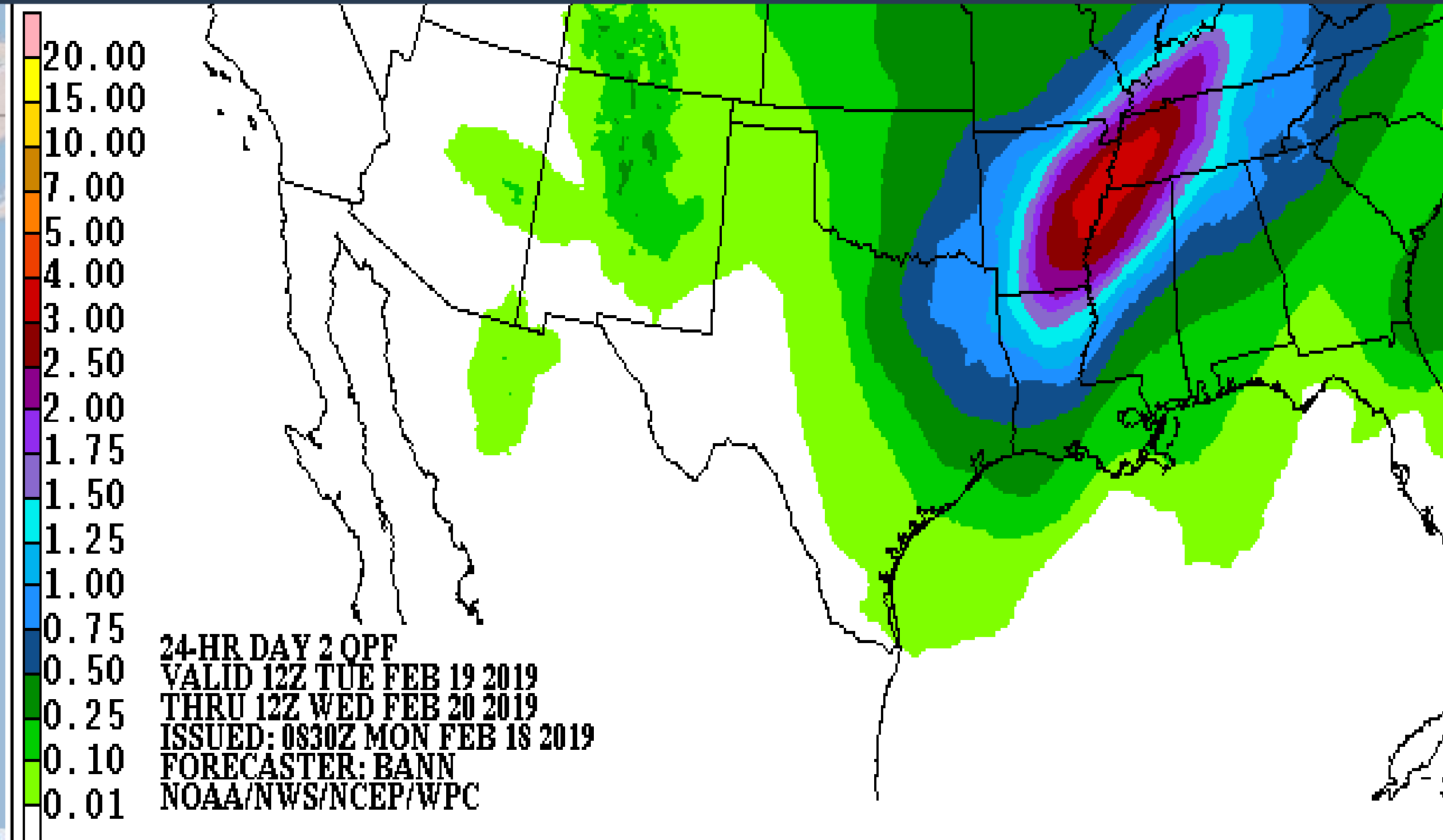


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## Forecast Chart



## Forecast Rainfall

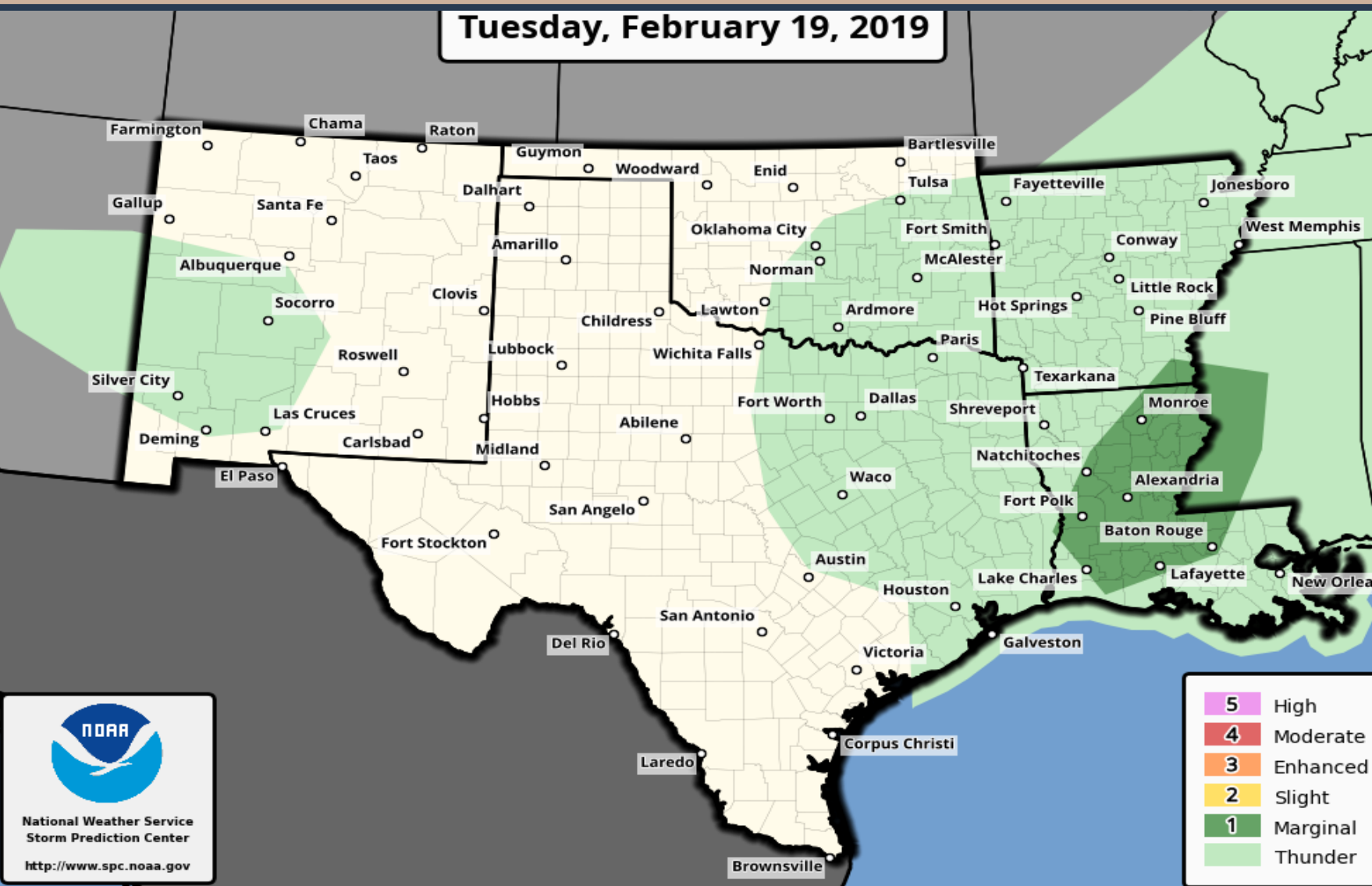


**Snow/travel impacts continue for NM and light snow/freezing rain with possible travel impacts spreads into OK, the TX Panhandle, NW/west-central TX, and NW AR.**

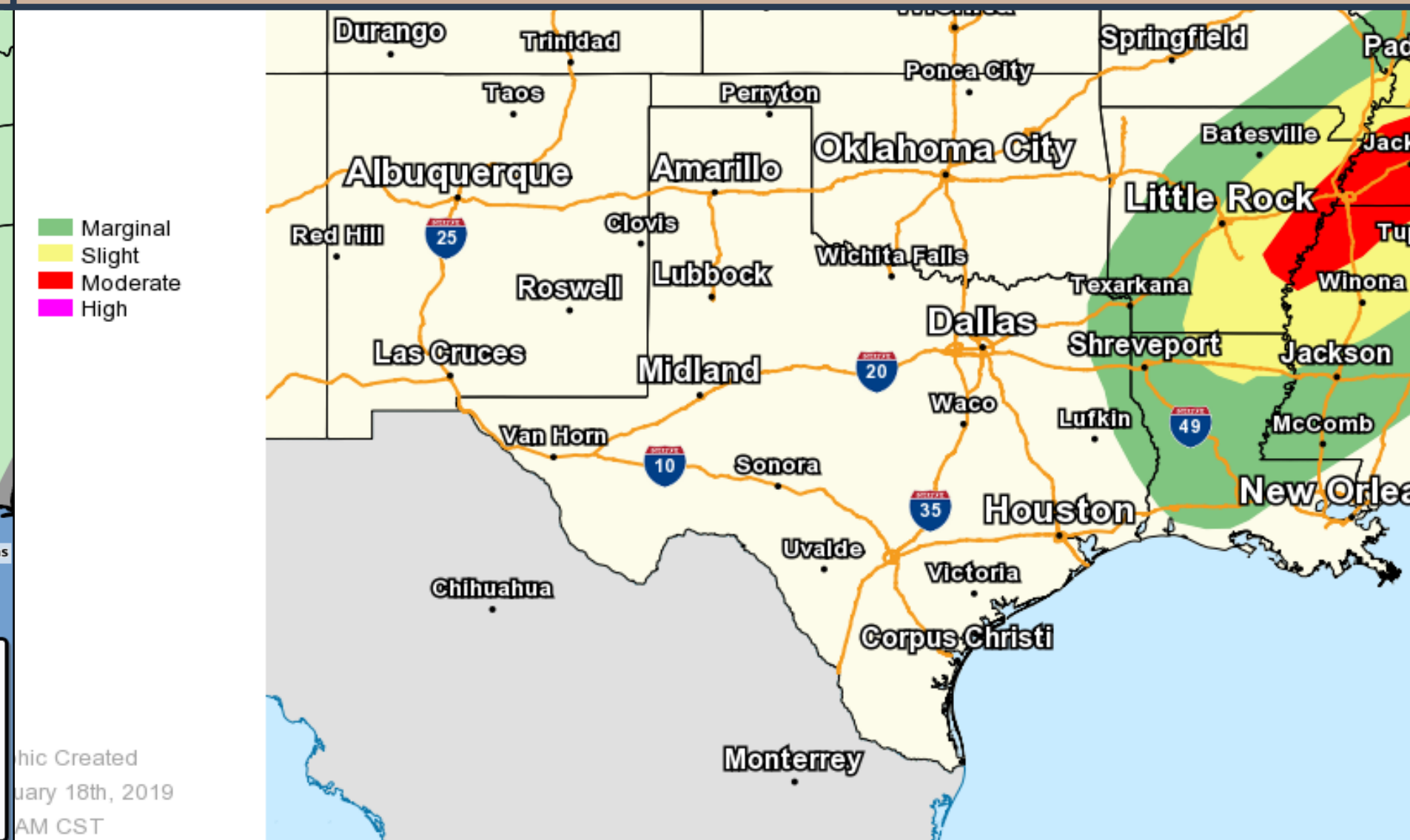
**Heavy rain/flash flooding likely for E AR and possible into Central AR and N LA.**

## Severe Weather Outlook

Tuesday, February 19, 2019



## Excessive Rainfall Outlook



**Isolated severe storms capable of damaging wind gusts and perhaps a tornado or two will be possible Tuesday night for LA into extreme SE AR.**



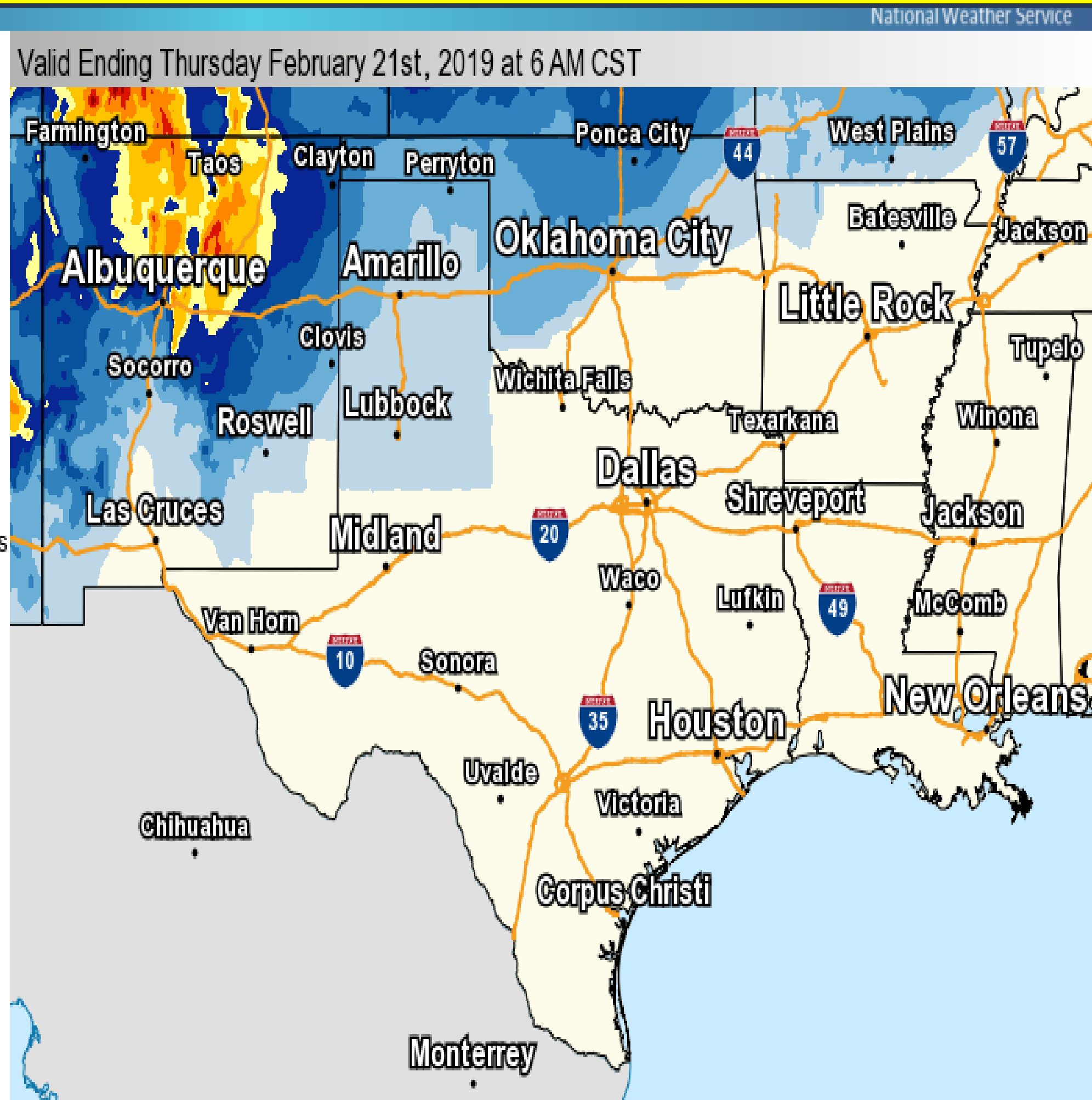
# Winter Weather

Note: Snow and Ice Accumulations Days 1 through 3

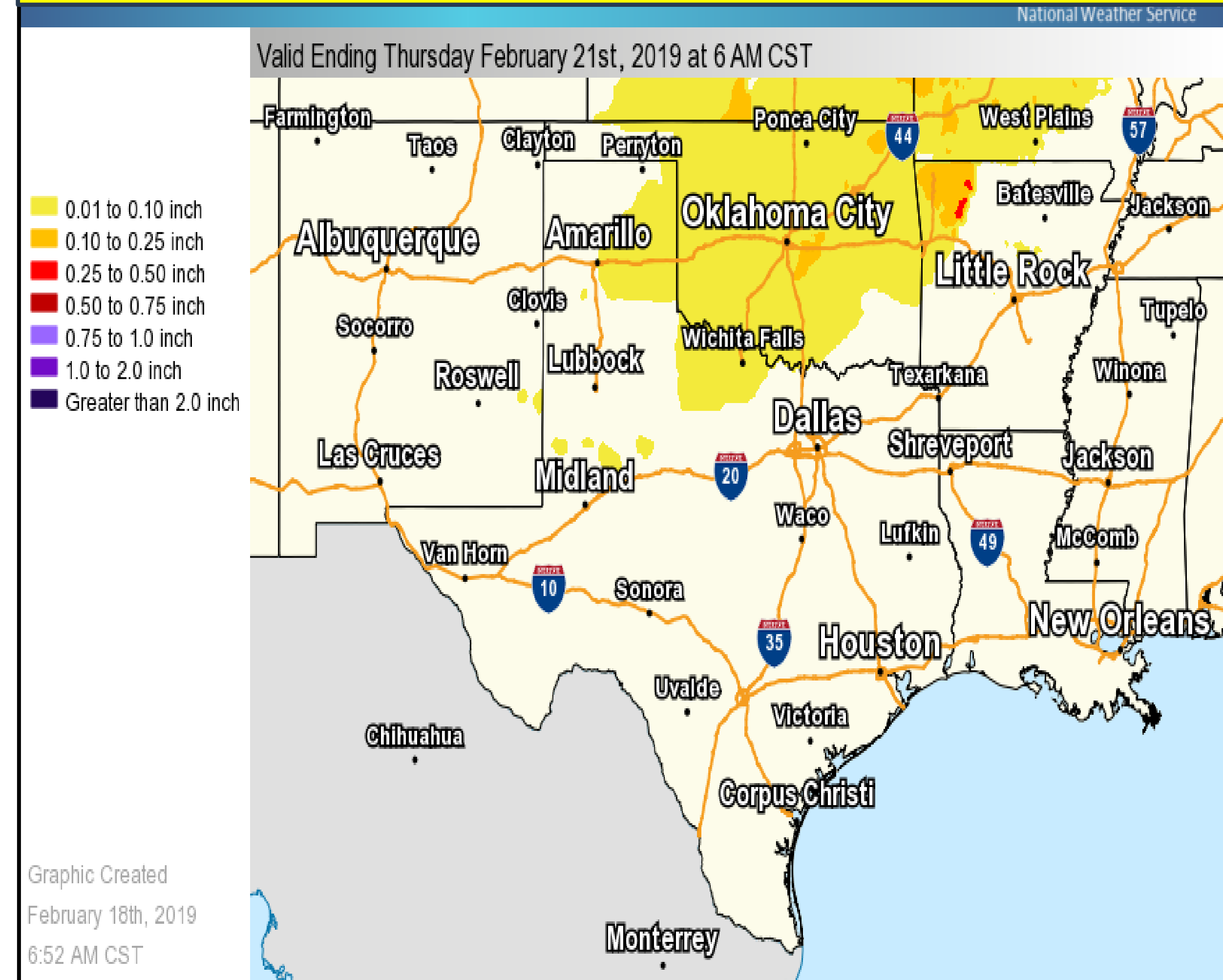


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## Forecast Snowfall Amounts



## Forecast Ice Amounts



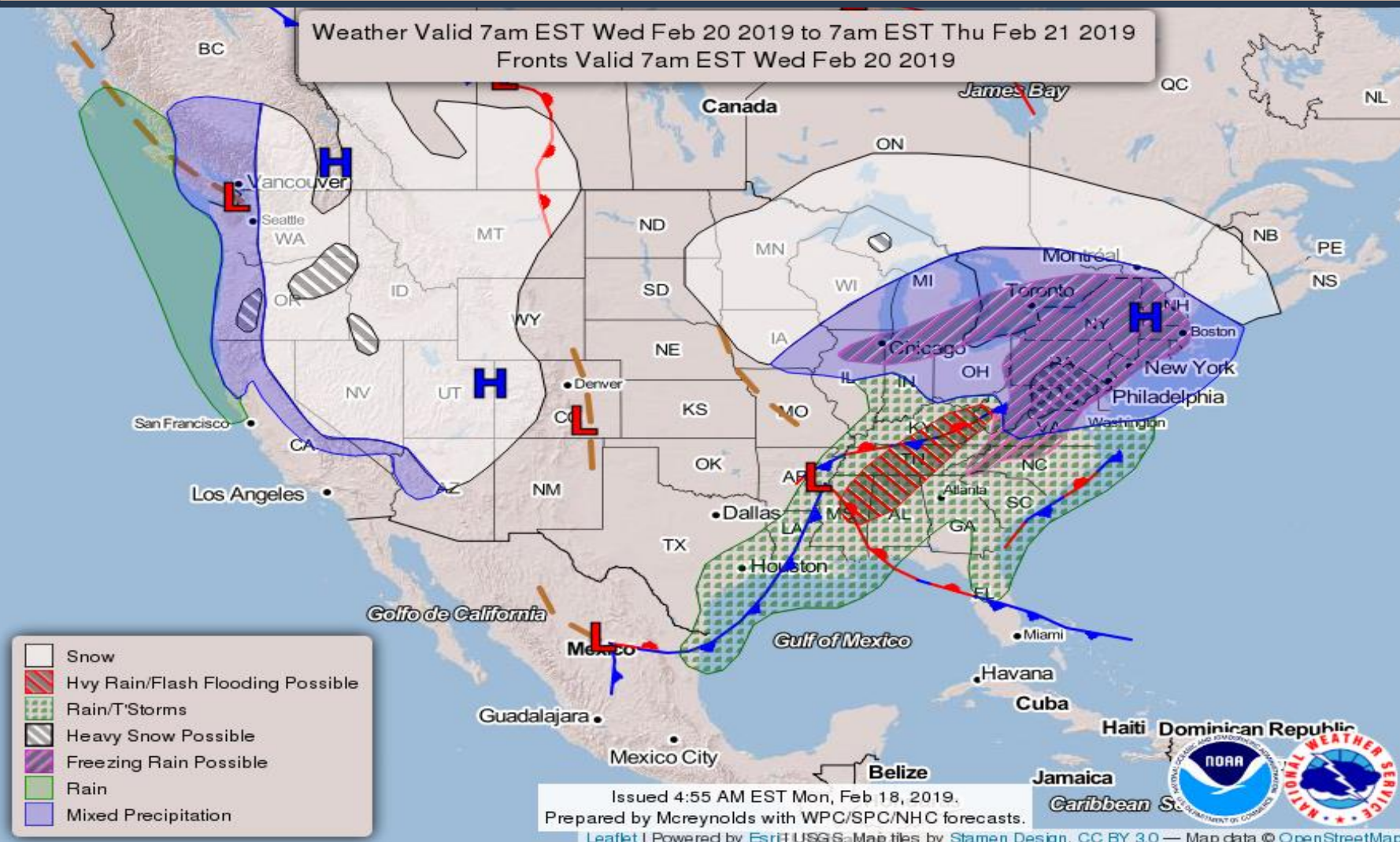


# Wednesday's Weather

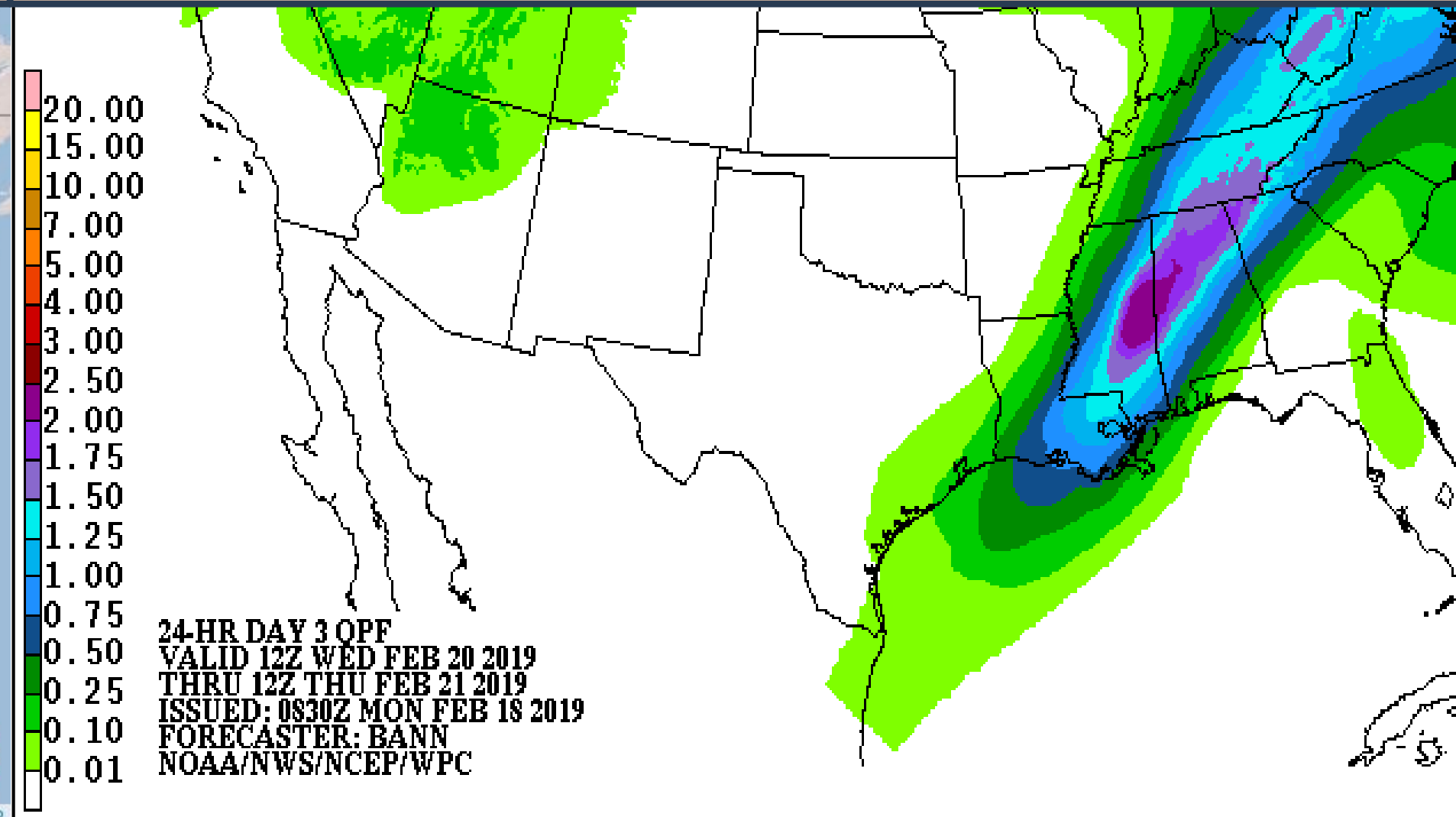


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## Forecast Chart

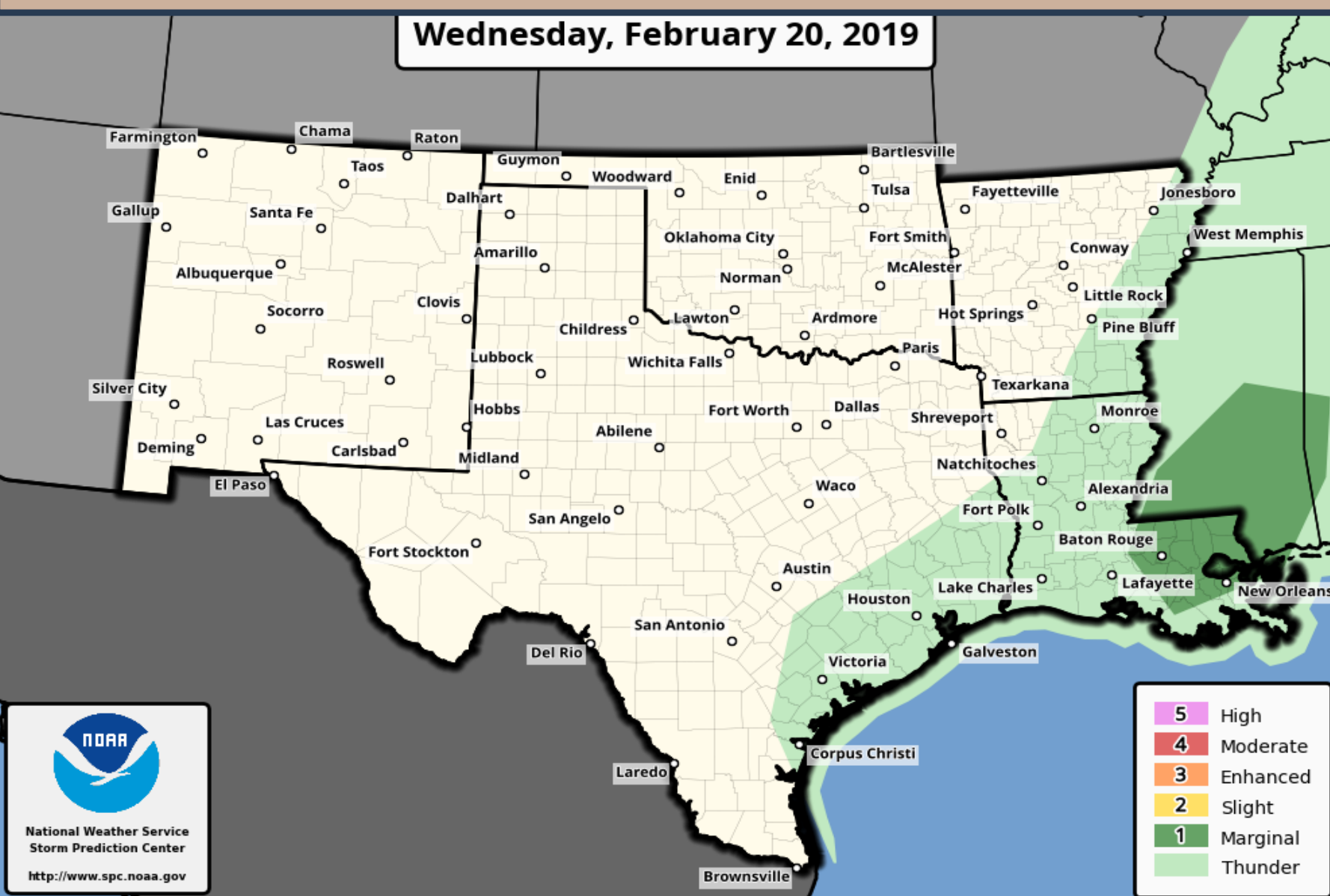


## Forecast Rainfall

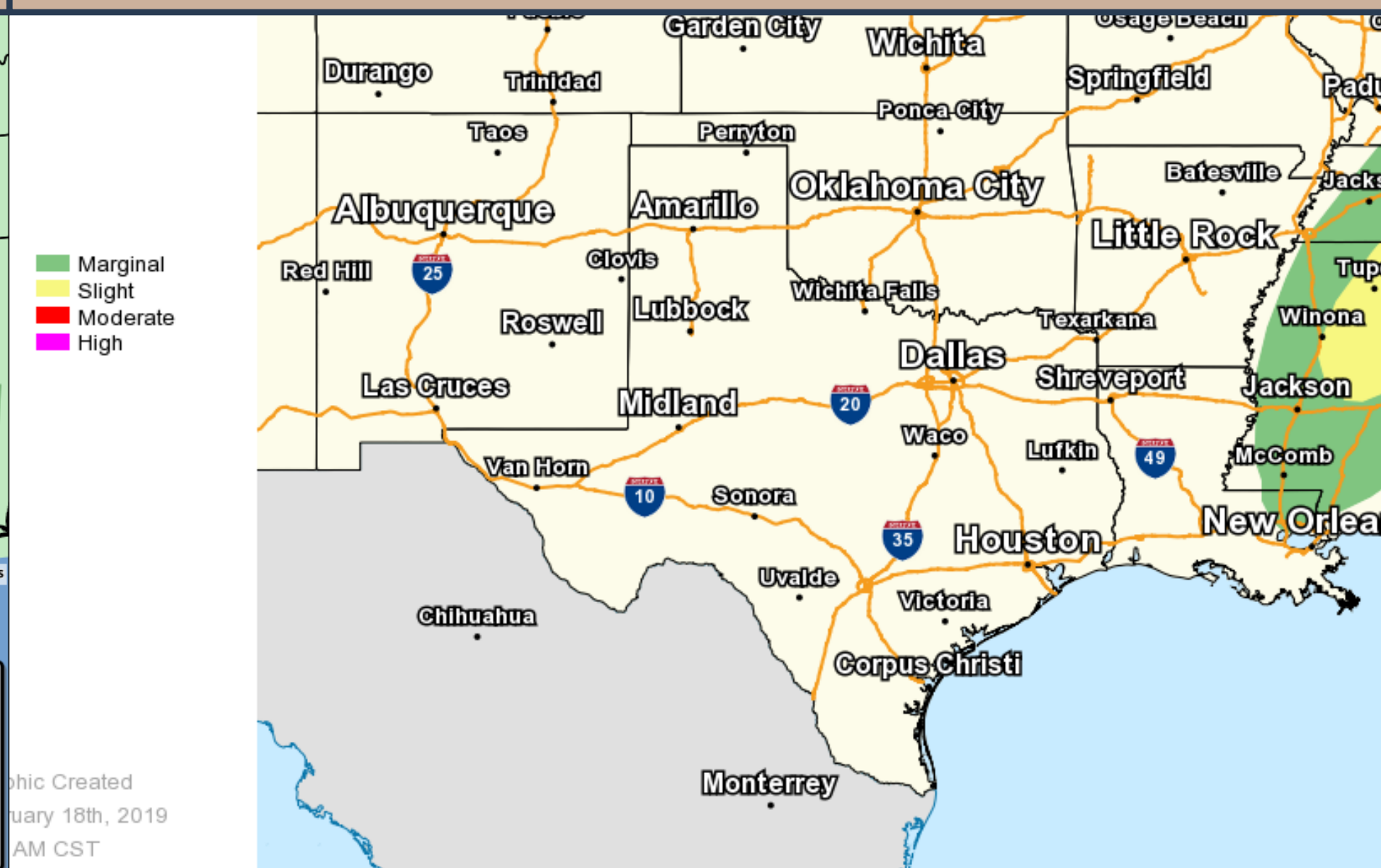


Isolated severe storms  
capable of damaging wind  
gusts and perhaps a tornado  
or two will be possible for  
SE LA.

## Severe Weather Outlook



## Excessive Rainfall Outlook



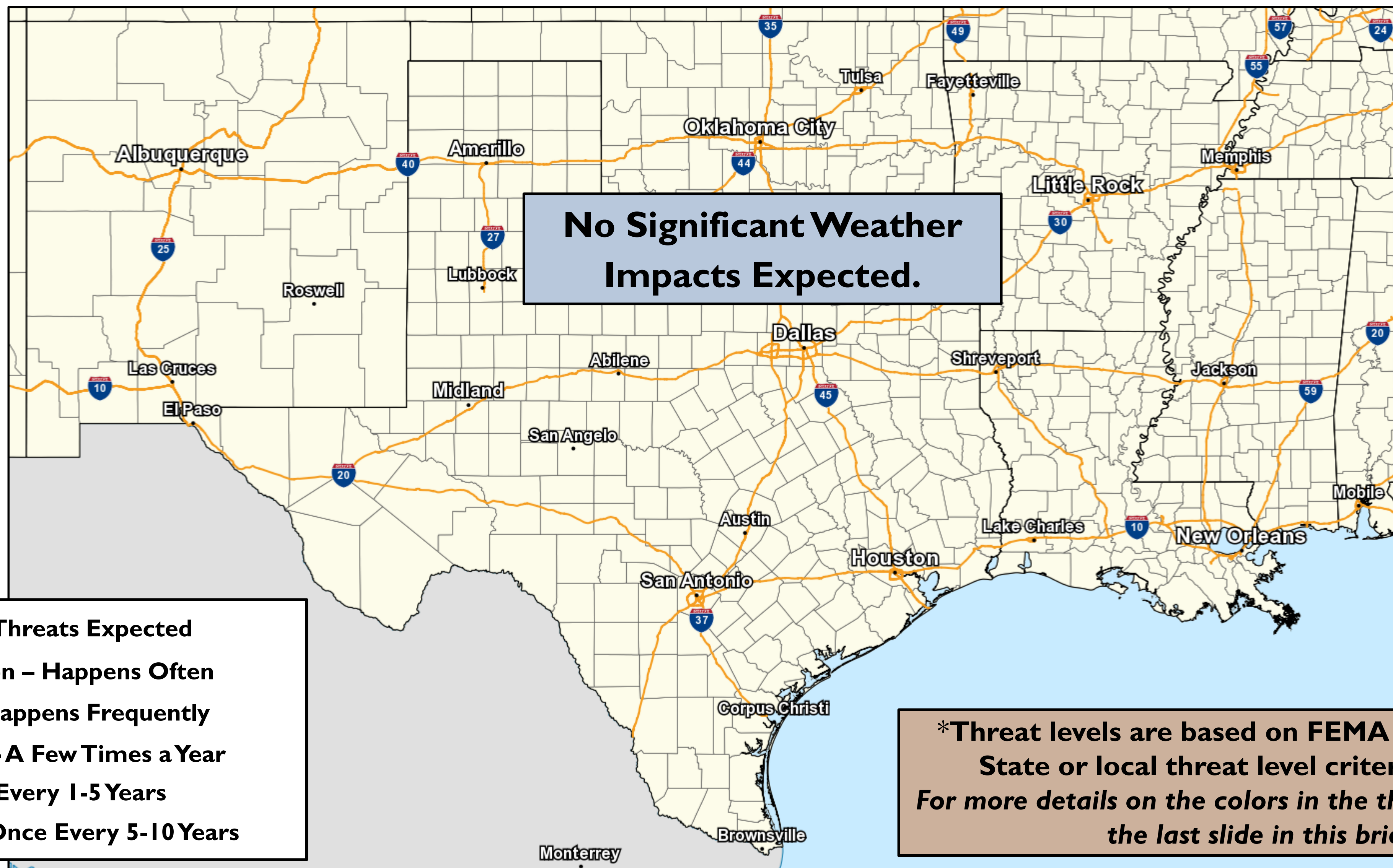


# Days 4-5 Weather Hazards

Thursday – Friday



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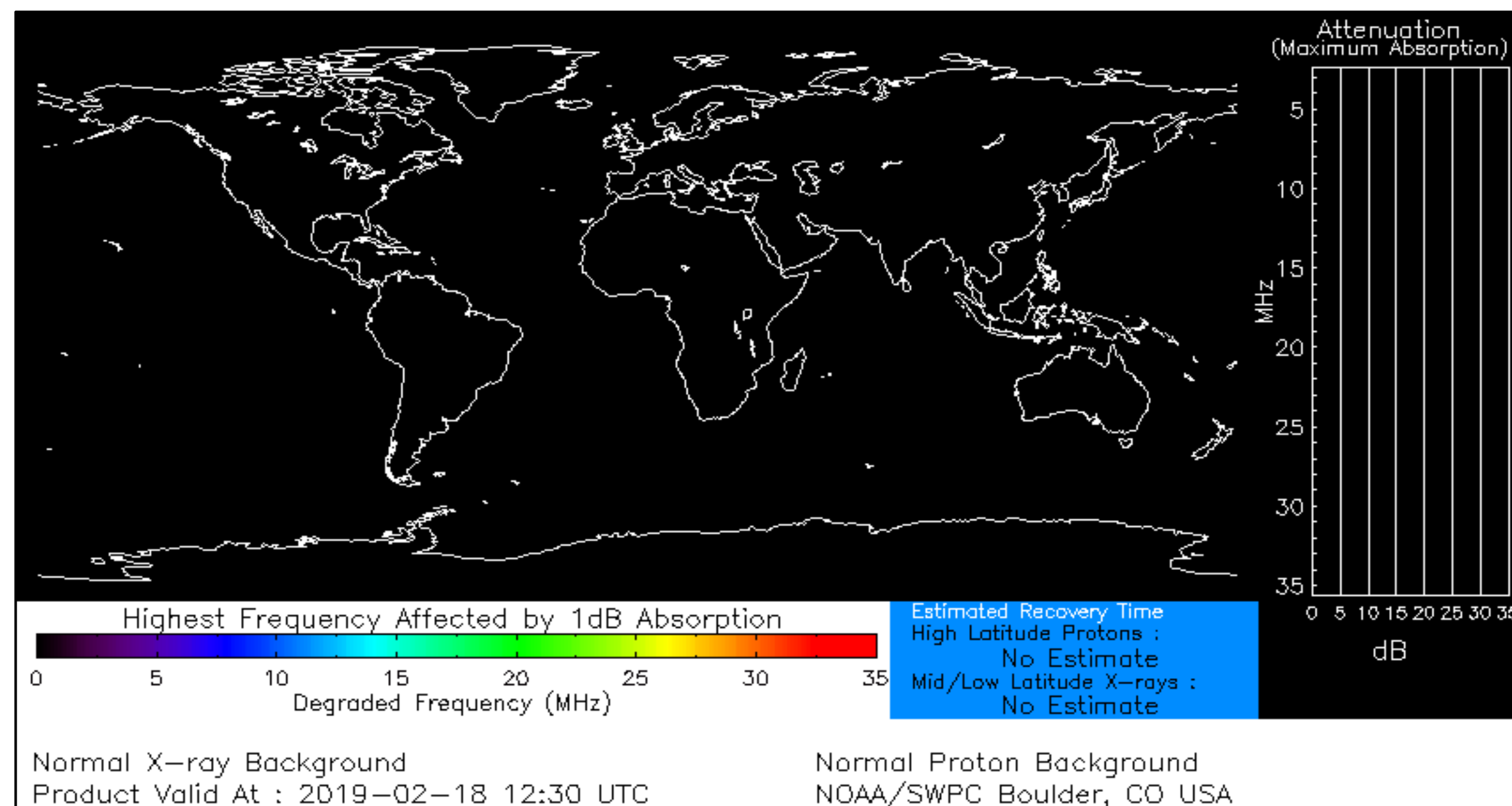


# Space Weather 3-Day Forecast



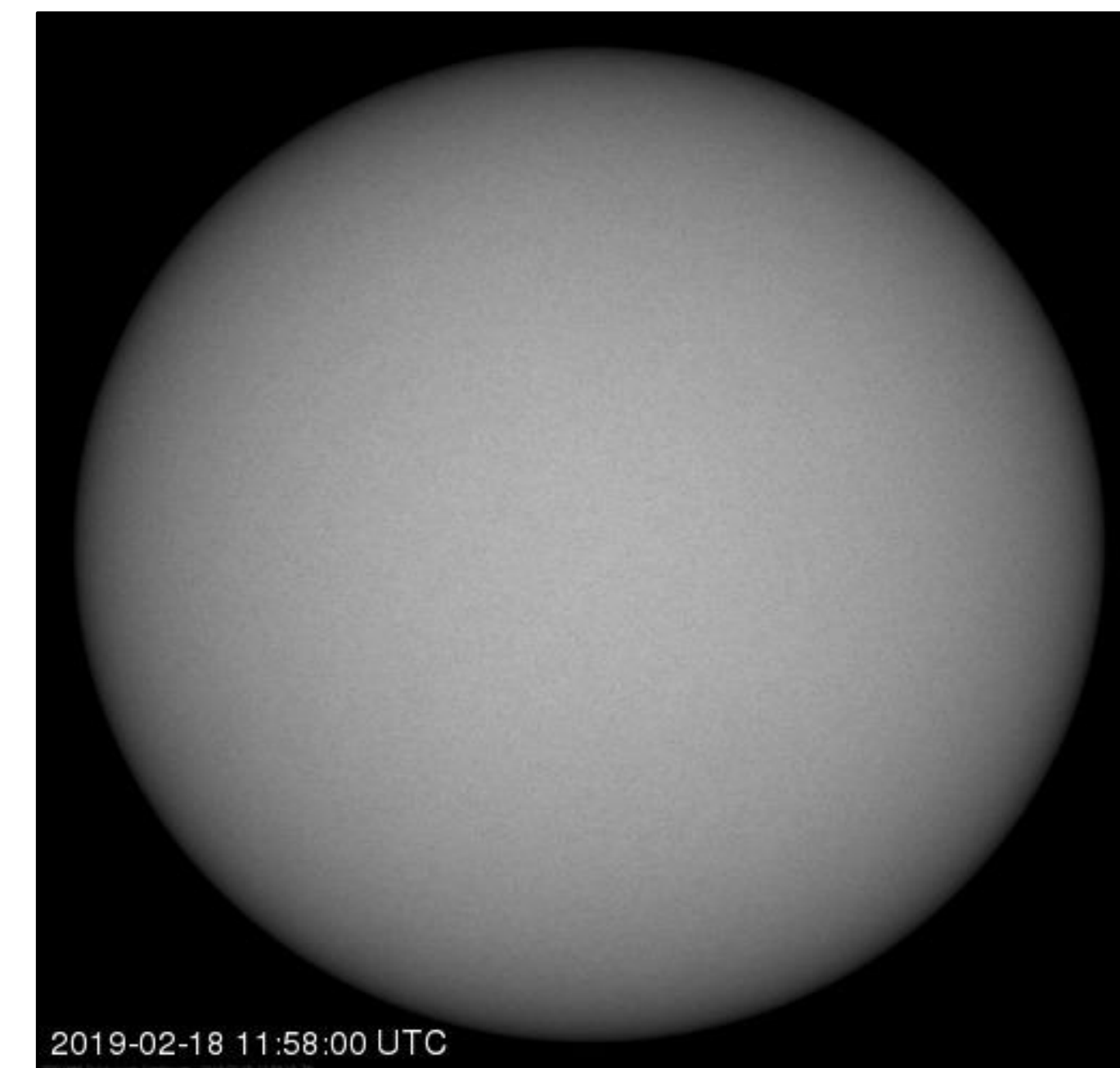
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	Monday	Tuesday	Wednesday
Geomagnetic Storms	Quiet (Max Kp = 2)	Unsettled to Active (Max Kp = 4)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2019-02-18 11:58:00 UTC





# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**